Meteorology and Atmospheric Physics

Vol. 42, 1990

Springer-Verlag Wien New York

Meteorology and Atmospheric Physics

formerly
Archives for Meteorology, Geophysics, and Bioclimatology, Series A

Honorary and Founding Editor: F. Steinhauser, Wien Managing Editor: E. R. Reiter, Boulder, Colo.

Editorial Board:

R. F. Abbey, Jr., Arlington, Va.

L. Bengtsson, Reading

D. W. Beran, Boulder, Colo.

J. E. Cermak, Fort Collins, Colo.

H. C. Davies, Zürich

H. Dolezalek, Alexandria, Va.

M. Hantel, Wien

G. J. Holland, Melbourne, Vic.

K.-Y. Kondratyev, Leningrad

T. N. Krishnamurti, Tallahassee, Fla.

M. Kuhn, Innsbruck

K.-N. Liou, Salt Lake City, Utah

T. Nitta, Okinawa

H. Pichler, Innsbruck

D. E. Stevens, Fort Collins, Colo.

Editorial Assistant: Ch. Bernhofer, Wien

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions including microform is transferred to the publisher

© 1990 by Springer-Verlag/Wien

Vol. 42, 1990

Chen Shou-Jun, Lazić, L., Numerical Case Study of the		Ramis, C., Jansà, A., Alonso, S., Sea Breeze in Mallorca.	
Altai-Sayan Lee Cyclogenesis over East Asia	221	A Numerical Study	249
Čurić, M., Janc, D., Numerical Study of the Cloud Seed-		Reiter, R., The Ozone Trend in the Layer of 2 to 3 km	
ing Effects	145	a.s.l. Since 1978 and the Typical Time Variations of	
Egger, J., Thermally Induced Flow in Valleys with Trib-		the Ozone Profile Between Ground and 3 km a.s.l.	91
utaries. Part I: Response to Heating	113	Sturman, A. P., Smith, R. K., Page, M. A., Ridley, R.	
Egger, J., Thermally Induced Flow in Valleys with Trib-		N., Steiner, J. T., Meso-Scale Surface Wind Changes	
utaries. Part II: Response to Cooling	127	Associated with the Passage of Cold Fronts Along	
Ewenz, C. M., Kraus, H., An Analytical Exercise to Elu-		the Eastern Side of the Southern Alps, New Zealand	133
cidate Quasi-Geostrophic Frontogenesis	179	Thiao, W., Cadet, D. L., Desbois, M., A Note on: Esti-	
Gross, G., On the Wind Field in the Loisach Valley-		mation of Rainfall due to Squall Lines over West Af-	
Numerical Simulation and Comparison with the		rica Using Meteosat Imagery	69
LOWEX III Data	231	Yeh, HY. M., Prasad, N., Adler, R. F., Tabulation of	
Grotjahn, R., Feature-Based Predictability of 500 hpa		Mie Properties for an Effective Microwave Radiative	
Height in the Australia-New Zealand Region	57	Model	105
Heimann, D., Three-Dimensional Modeling of Synthetic		Zwatz-Meise, V., Hufnagl, F., Some Results About the	
Cold Fronts Approaching the Alps	197	Relation Between an Objective Front Parameter and	
Kayano, M. T., Kousky, V. E., Southern Hemisphere		Cloud Bands in Satellite Images and Its Connection	
Blocking: A Comparison Between two Indices	165	to Classical Cold Front Models	77
Krishnamurti, T. N., Bedi, H. S., Subramaniam, M., The			
Summer Monsoon of 1988	19		
Llasat, M. C., Puigcerver, M., Cold Air Pools over Europe	171	Note	
McHall, Y. L., Available Potential Energy in the At-		14010	
mosphere	39	Idso, S. B., Balling, R. C. Jr., Cerveny, R. S., Carbon	
Nicholson, S. E., Nyenzi, B. S., Temporal and Spatial		Dioxide and Hurricanes: Implications of Northern	
Variability of SSTs in the Tropical Atlantic and Indian		Hemispheric Warming for Atlantic/Caribbean Storms	259
Oceans	1	Book Reviews	